

AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A method, comprising:
~~automatically discovering counters a counter that collects data describing activity of a performance object within a host offering networked storage services to a set of clients over for a remote device in a network; wherein the performance object is a logical or physical subsystem of the host;~~
~~predefining a plurality of defining a counter group template templates, for collection of the data describing the activity of the of performance object; each counter group template comprising a counter associated with an object;~~
~~selecting at least one counter group template; and~~
~~collecting the data for each of the performance object from the counter counter in the selected counter group template; and~~
~~outputting the data to a storage medium.~~
- 2-3. (Canceled)
4. (Currently Amended) The method of claim 1, wherein automatically discovering the ~~counters~~ ~~counter~~ comprises automatically discovering ~~the~~ ~~performance object~~ objects, instances of the ~~performance object~~ objects, and ~~counter~~ counters associated with the ~~instance~~ instances of ~~the~~ ~~performance object~~ objects for the ~~host~~ remote device.
5. (Currently Amended) The method of claim 4, further comprising instantiating the selected ~~counter~~ counters based on a predefined mapping of ~~the~~ ~~performance object~~ objects to ~~the counter~~ counters.
6. (Currently Amended) The method of claim 3, ~~wherein there are two or more counters and there are two or more performance objects~~, further comprising storing the

collected data for the counters in each two or more counter group templates separately for the host remote device.

7. (Previously Presented) The method of claim 1, further comprising receiving a user selected one of a plurality of predefined views, each view defining how to organize the data for presentation.

8. (Original) The method of claim 7, further comprising presenting the data to the user, in accordance with the selected view.

9. (Original) The method of claim 1, wherein the automatic discovering, and the data collecting are performed in parallel.

10. (Currently Amended) A method, comprising:
receiving a user selected counter group template containing defined for at least one counter, the counter collecting data describing activity of one or more a performance objects within a host offering networked storage services to a set of clients over relating to a remote device in a network; wherein the performance object is a logical or physical subsystem of the host;

instantiating the at least one counter to collect data from the one or more performance objects;

collecting data for the at least one counter; and
storing the collected data to a storage medium.

11. (Previously Presented) The method of claim 10, further comprising receiving a user selected predefined view containing a configuration for how the collected data should be presented.

12. (Original) The method of claim 11, further comprising presenting the collected data based on the predefined view.

13. (Canceled).

14. (Canceled).

15. (Canceled).

16. (Canceled).

17. (Canceled).

18. (Canceled).

19. (Currently Amended) A computer readable medium, having stored thereon a sequence of instructions, which when executed by a computer, cause the computer to perform a method comprising:

automatically discovering a counter counters describing activity of a performance object within a host offering networked storage services to a set of clients over-for-a-remote-device in a network; wherein the performance object is a logical or physical subsystem of the host;

defining predefining a plurality of counter group template templates, each counter group template

comprising including a counter for associated with an-the performance object;

~~selecting at least one counter group template; and~~

~~collecting data for the each counter in the selected counter group template[.]); and~~
~~outputting the data to a storage medium.~~

20. (Currently Amended) The computer readable medium of claim 19, wherein automatically discovering the counter counters comprises automatically discovering the performance object objects, instances-of-the-performance-objects, and the counter counters associated with the instances-of the performance object objects for the host, the remote device.

21. (Currently Amended) A computer readable medium, having stored thereon a sequence of instructions, which when executed by a computer, cause the computer to perform a method comprising:

receiving a user selected counter group template containing mapping at least one counter relating to at least one performance object within a host offering networked storage to a set of clients over remote device in-a network; wherein the performance object is a logical or physical subsystem of the host;

instantiating the at least one counter to collect data from the performance object;

collecting data for the at least one counter; and

storing the collected data to a storage medium.

22. (Previously Presented) The computer readable medium of claim 21, wherein the method further comprises receiving a user selected predefined view containing a configuration for how the collected data should be presented.

23. (Canceled).

24. (Original) The computer readable medium of claim 23, wherein the sampling is based on a predefined sampling rate.

25. (Currently Amended) A storage device, comprising:

a processor; and

a memory coupled to the processor, the memory storing instructions which when executed by the processor cause the storage device to perform a method comprising:

automatically discovering a plurality of counters describing activity of a performance object within a host offering networked storage to a set of clients over for a remote device in-a network; wherein the performance object is a logical or physical subsystem of the host;

defining predefining a plurality of counter group template templates, each counter group template

comprising including a reference to a counter associated with an a performance object; and

selecting at least one counter group template; and

collecting data for each the counter in the selected counter group template; and[[.]]
outputting the data to a storage medium.

26. (Currently Amended) The storage device of claim 25, wherein automatically discovering the counters counter comprises automatically discovering the performance object objects, instances of the performance objects, and the counter counters associated with the instances of performance object objects for the storage device.

27. (Currently Amended) A storage device, comprising:
a processor; and
a memory coupled to the processor, the memory storing instructions which when executed by the processor, cause the storage device to perform a method comprising:
receiving a user selected counter group template containing defined for at least one counter, the counter collecting data describing activity of a plurality of performance objects within a host offering networked storage to a set of clients relating to a remote device in a network; wherein the performance object is a logical or physical subsystem of the host;
instantiating the at least one counter to collect data from the plurality of performance objects;
collecting data for the at least one counter; and
storing the collected data.

28. (Previously Presented) The storage device of claim 27, wherein the method further comprises receiving a user selected predefined view containing a configuration for how the collected data should be presented.

29. (Canceled).

30. (Original) The storage device of claim 29, wherein the sampling is based on a predefined sampling rate.

31. (New) A method comprising:

using a counter to monitor the activity of a performance object that is a logical or physical subsystem of a host offering networked storage services to a set of clients over a network, the counter producing data describing the activity of the performance object;
discovering the counter and collecting the data describing the activity of the performance object into a counter group template defined to collect the activity of the performance object;
and

outputting the data to a storage medium.

34. (New) The method of claim 31, further comprising creating a counter group comprising a plurality of counters, a sample period, and a sample buffer size.

35. (New) The method of claim 34, wherein the sampling is in accordance with the sample period.

36. (New) The method of claim 34, further comprising displaying sample data for the counter using a view associated with the counter, the view containing a configuration for presenting the collected data.